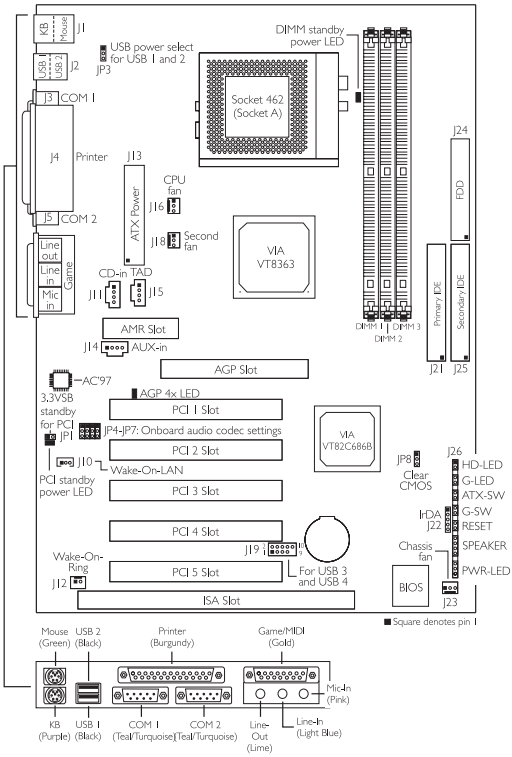
AK74-EC

rev. A+



CPU Fan Protection

The CPU Fan Protection function has the capability of monitoring the CPU fan during system boot-up and will automatically power-off the system once it has detected that the CPU fan did not rotate. This preventive measure has been added to protect the CPU from damage and insure a safe computing environment.

Over Voltage

The Over Voltage function allows you to manually adjust to a higher core voltage that is supplied to the CPU. Although this function is supported, we do not recommend that you use a higher voltage because unstable current may be supplied to the system board causing damage.

CPU Overclocking

The CPU Overclocking function allows you to adjust the processor's bus clock by 1MHz stepping. However, overclocking may result to the processor's or system's instability and are not guaranteed to provide better system performance.

CPU Temperature Protection

The CPU Temperature Protection function has the capability of monitoring the CPU's temperature during system boot-up. Once it has detected that the CPU's temperature exceeded the CPU temperature limit defined in the BIOS, the system will automatically power-off after 5 warning beeps.

USB Power Select for USB 1 and USB 2 - JP3
1-2 On: 5V (default); 2-3 On: 5VSB

Onboard Audio Codec Settings - JP4, JP5, JP6 and JP7
1-2 On: Enable the onboard audio codec (default); 2-3 On: Disable the onboard audio codec

Clear CMOS Data - JP8: 1-2 On: Normal (default); 2-3 On: Clear CMOS Data
Make sure to power-off the system and unplug the power cord prior to clearing the CMOS data.

3.3VSB Standby for PCI - JP1
On: Provides 3.3VSB standby power to the PCI slots. (default)
Off: For PCI modem cards that does not comply to PCI 2.2 specification.

Standby Power LEDs: The DIMM Standby Power LED will turn red when the system's power is on or when it is in the Suspend state (Power On Suspend or Suspend to RAM). It will not light when the system is in the Soft-Off state. The PCI Standby Power LED will turn red when the system is in the power-on, Soft-Off or Suspend (Power On Suspend or Suspend to RAM) state. Lighted LEDs serve as a reminder that you must power-off the system then turn off the power supply's switch or unplug the power cord prior to installing any DIM modules or add-in cards.

AGP 4x LED: This LED will light when the AGP slot is installed with a 4x AGP card.

Important:

- If you are using the (1) Wake-On-LAN and/or (2) Wake-On-Ring (internal modem) functions, the 5VSB power source of your power supply must support ≥720mA.
- If you are using the Suspend to RAM function, the 5VSB power source of your power supply must support ≥1A.